

Comparisons of Job Characteristics

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation: Continuous Mining Machine Operators (47-5041)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	18.0	13.0	<<	Extensive education and/or training may be required
Production and Processing	6.0	15.2	8.6	<<	Extensive education and/or training may be required
Transportation	4.6	12.7	7.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	11.8	8.3	<<	Extensive education and/or training may be required
Law and Government	5.9	11.4	8.4	<<	Extensive education and/or training may be required
Physics	4.3	9.5	4.5	<<	Extensive education and/or training may be required
Geography	3.9	9.3	5.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	4.7	<<	Extensive education and/or training may be required
Telecommunications	3.9	7.8	3.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
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Operation and Control	5.4	13.3	9.8	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	13.2	9.6	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.1	7.9	<	A higher skill level may be required
Repairing	3.4	9.6	8.3	<	A higher skill level may be required
Troubleshooting	4.5	8.9	7.7	<	A higher skill level may be required
Equipment Selection	3.3	5.6	5.5	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Loading Machine Operators, Underground Mining (53-7033) Associated Occupation: Continuous Mining Machine Operators (47-5041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.6	12.2	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	13.2	10.6	<	Some improvement in abilities may be required
Reaction Time	4.8	13.2	10.3	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	12.0	6.7	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	11.5	10.5	0	Current ability level may be sufficient
Auditory Attention	5.9	11.3	7.3	<<	Extensive improvement in abilities may be required
Rate Control	3.8	11.2	9.1	<	Some improvement in abilities may be required
Response Orientation	4.0	11.2	7.7	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.2	4.6	<<	Extensive improvement in abilities may be required
Night Vision	2.1	7.2	5.5	<	Some improvement in abilities may be required
Sound Localization	2.2	7.2	3.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 94	
Focus Occupation: Loading Machine Operators, Underground Mining (53-7033) Associated Occupation: Continuous Mining Machine Operators (47-5041)			
Work Activities			Exclusivity of Activity

Operate earth-moving or other heavy construction equipment	80
Operate mining equipment or machinery	89
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Continuous Mining Machine Operators (47-5041)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.